Claims

[c1] 1. A method for fastening adjustable optical lenses, the method suited for a scanning chassis and used for fastening an optical-lens group, the scanning chassis including a case, a light source, a reflector group and an optical sensor, the light source, the reflector group and the optical sensor being mounted in the case, the light source being used for illuminating a document and an image of the document being obtained, the reflector group reflecting the image of the document to transmit it to the optical sensor through the optical-lens group, and the method comprising:

forming an optical-lens pedestal in the case, the optical-lens pedestal having at least one groove; and

mounting the optical-lens group on the optical-lens pedestal, the optical-lens group located between the optical sensor and the reflector group, and the optical-lens group capable of receiving the image of the document and forming the image onto the optical sensor.

[c2] 2. The method according to claim 1, wherein the optical-lens pedestal is integrally formed in the case.

[c3] 3. The method according to claim 1, further comprising:

fixing a fastening cover over the optical-lens pedestal so that the optical-lens group is fixed between the optical-lens pedestal and the fastening cover.

[c4] 4. The method according to claim 3, wherein the fastening cover is fixed on the optical-lens pedestal by means of hooks.

[c5] 5. The method according to claim 3, wherein the fastening cover is fixed on the optical-lens pedestal by means of screws.

[c6] 6. An apparatus for fastening adjustable optical lenses, the apparatus suited for a scanning chassis and used for fastening an optical-lens group including at least one optical lens, the scanning chassis including a case, a light source, a reflector group and an optical sensor, the light source, the reflector group and the optical sensor being mounted in the case, the light source being used for illuminating a document and an image of the document being obtained, the

reflector group reflecting the image of the document to transmit it to the optical sensor through the optical-lens group, and the apparatus comprising;

an optical-lens pedestal integrally formed in the case, the optical-lens pedestal having a first channel, the two sides of which are open, there being at least one groove on the side wall of the first channel, the optical lens of the optical-lens group capable of being mounted on the groove, the optical-lens group being located between the optical sensor and the reflector group, and the optical-lens group capable of receiving the image of the document and forming the image onto the optical sensor.

[c7] 7. The apparatus according to claim 6, wherein the cross-sectional shape of the channel is half-round.

[c8] 8. The apparatus according to claim 6, further comprising a fastening cover fixed over the optical-lens pedestal so that the optical-lens group is fixed between the optical-lens pedestal and the fastening cover.

[c9] 9. The apparatus according to claim 8, wherein the fastening cover has a second channel, two sides of which are open, and the cross-sectional shape of the second channel is half-round.

[c10] 10. The apparatus according to claim 8, wherein the fastening cover provided with a plurality of hooks, the optical-lens pedestal provided with a plurality of hooking ditches, the hooks can be respectively coupled with the hooking ditches so that the fastening cover canbe firmly fixed on the optical-lens pedestal.

[c11] 11. The apparatus according to claim 8, further comprising a plurality of screws, the fastening cover having a plurality of first screw holes, the optical-lens pedestal having a plurality of second screw holes, each of the first screw holes corresponding to each of the second screw holes, and the screws capable of being screwed through the first screw holes and then into the second screw holes so that the fastening cover canbe firmly fixed on the optical-lens pedestal.

[c12] 12. A optical scanning chassis, comprising:

a case;

a light source mounted in the case and used for illuminating a document so that an image of the document is obtained;

an optical sensor mounted in the case and used for receiving the image of the document;

an optical-lens group mounted in the case and having at least one optical lens;

a reflector group mounted in the case and reflecting the image of the document to transmit it to the optical sensor through the optical-lens group; and

an optical-lens pedestal located in the case, the optical-lens pedestal having a channel, the two sides of which are open, There being at least one groove on the side wall of the channel, the optical lens of the optical-lens group capable of being mounted on the groove, the optical-lens group located between the optical sensor and the reflector group, the optical-lens group capable of receiving the image of the document and forming the image onto the optical sensor.

[c13] 13. The optical scanning chassis according to claim 12, wherein the cross-sectional shape of the channel is half-round.

[c14] 14. The optical scanning chassis according to claim 12, further comprising a fastening cover fixed over the optical-lens pedestal so that the optical-lens group is fixed between the optical-lens pedestal and the fastening cover.

[c15] 15. The optical scanning chassis according to claim 12, wherein the fastening cover has a second channel, two sides of which are open, and the cross-sectional shape of the second channel is half-round.

[c16] 16. The optical scanning chassis according to claim 15, wherein the fastening cover provided with a plurality of hooks, the optical-lens pedestal provided with a plurality of hooking ditches, the hooks can be respectively coupled with the hooking ditches so that the fastening cover canbe firmly fixed on the optical-lens pedestal.

[c17] 17. The optical scanning chassis according to claim 15, further comprising a plurality of screws, the fastening cover having a plurality of first screw holes,

the optical-lens pedestal having a plurality of second screw holes, each of the first screw holes corresponding to each of the second screw holes, and the screws capable of being screwed through the first screw holes and then into the second screw holes so that the fastening cover canbe firmly fixed on the optical-lens pedestal.